

Fig. 1. Illustrative example of a function model of an engineering system (Prior Art)

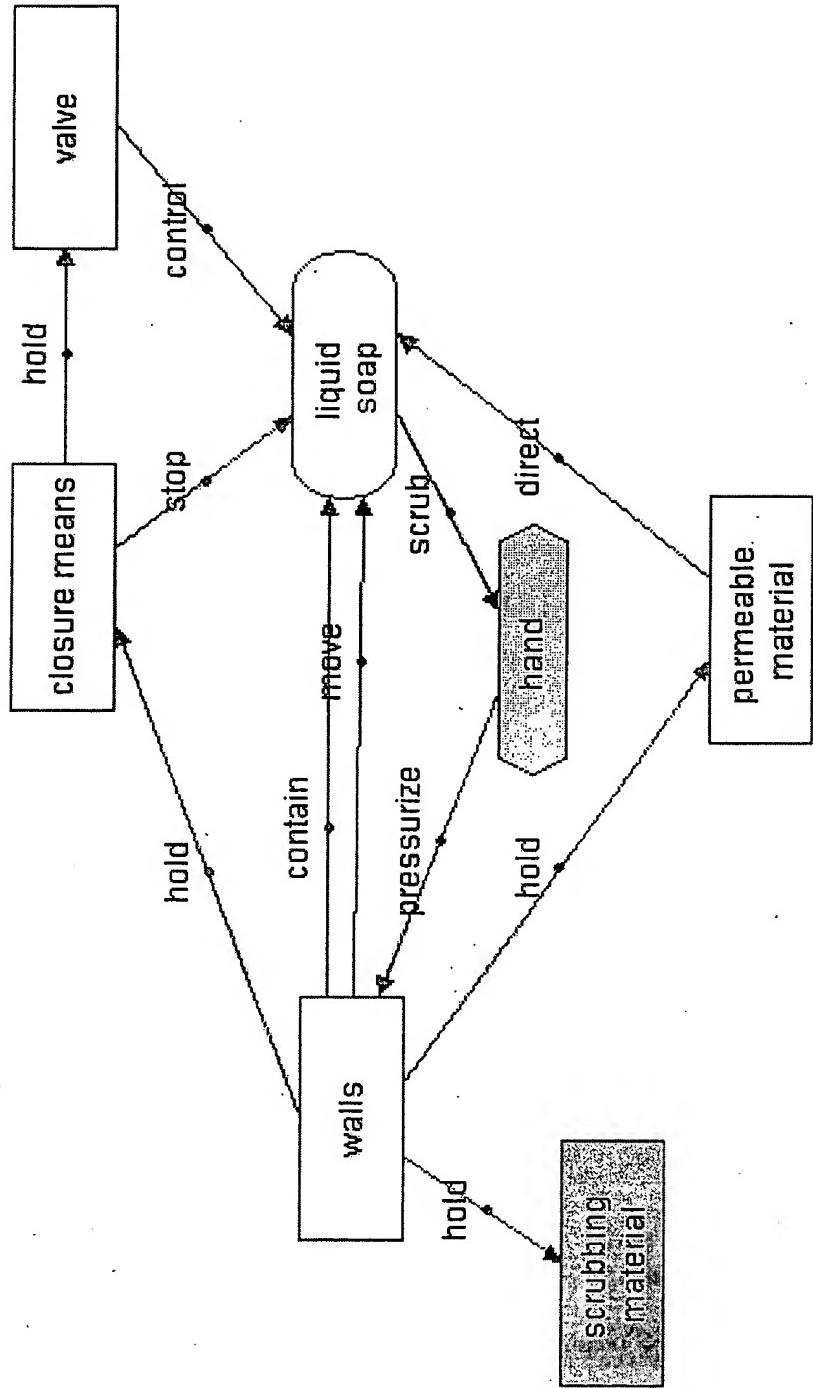


Fig. 2. Illustrative example of a function model of an engineering system from Fig. 1 which has been modified through a simplification (Prior Art)

Docket No. 03-118

**Problem Manager**

**File Problem View Logs Help**

**Product Analysis**

**Problems and Concepts**

- Scrubbing (Handwashing)
- new concept here
- Use problem
- new problem here
- General concepts
- new problem here

**Problem description**

Function scrub hand performed by scrubbing material is transferred to liquid soap?

How to make liquid soap perform scrub hand?

To solve: **E Recomended** **E** **C**

**Function model**

**Planning variants: Variant 1**

**For Help press F1**

**[12] Problem Manager [13] Concept Selection**

Fig. 3. Illustrative screen depicting how problems represented in function model are identified to the user (Prior Art)

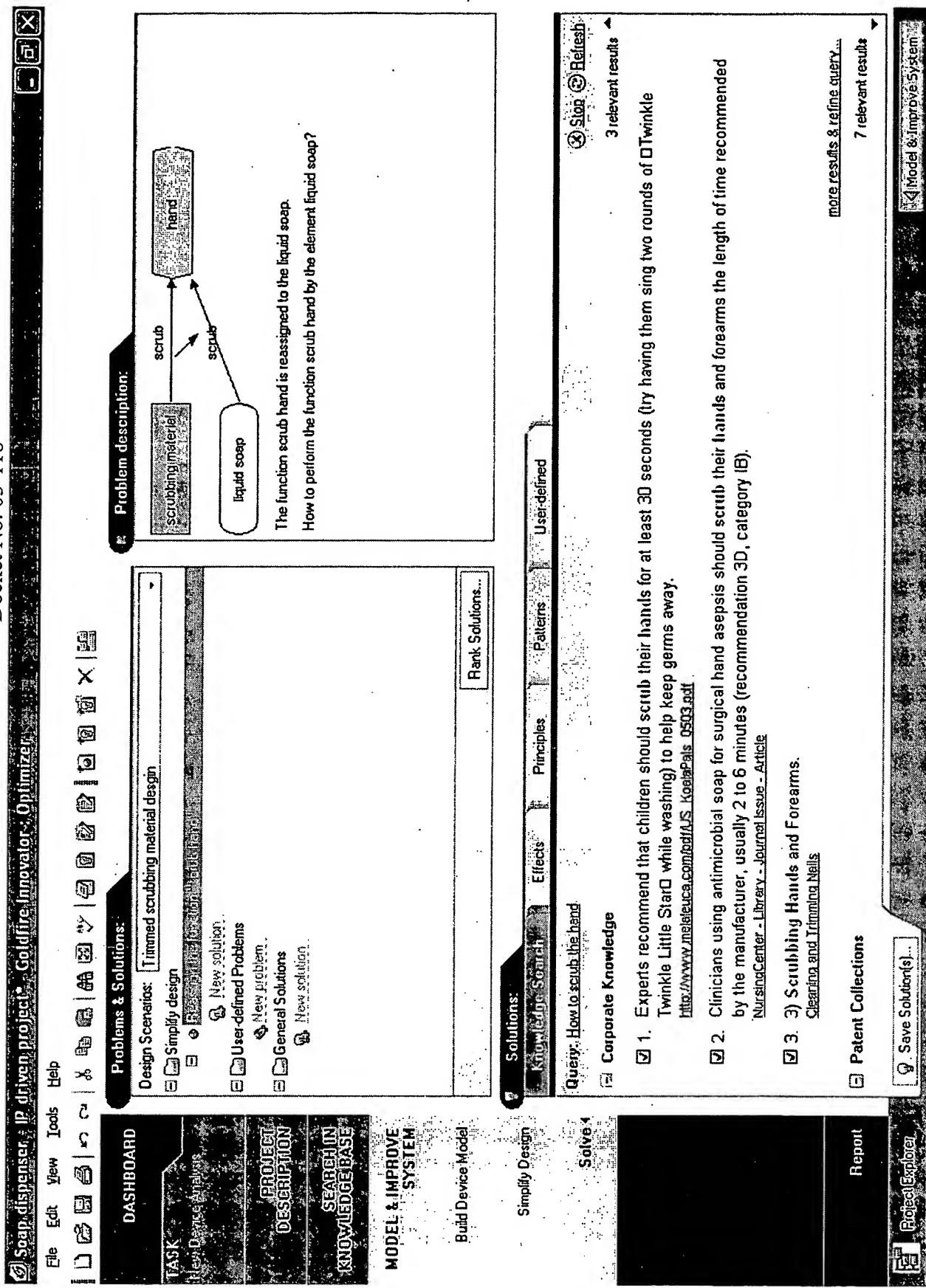


Fig. 4 Illustrative screen for a system in accordance with the principles of this invention

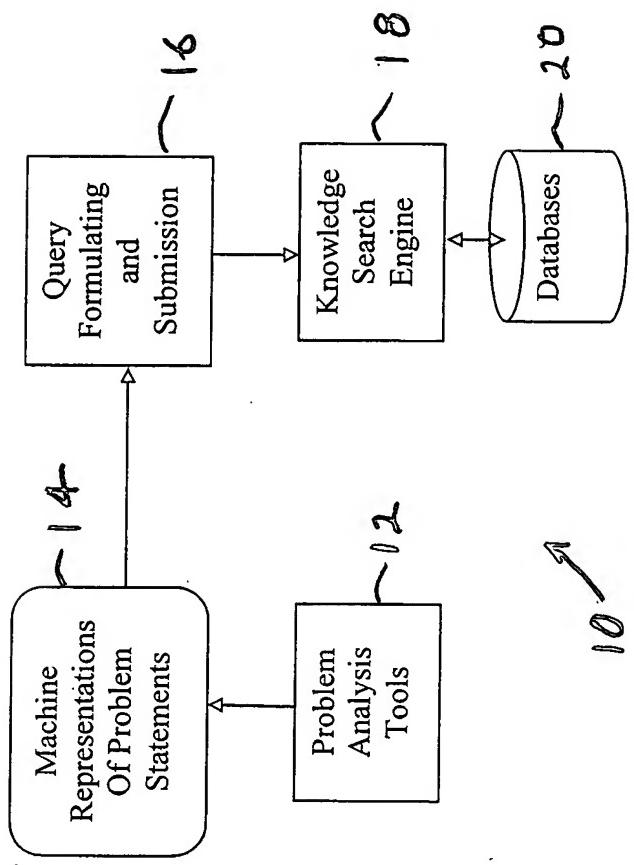


Fig. 5 High-level architecture of a system in accordance with the principles of this invention

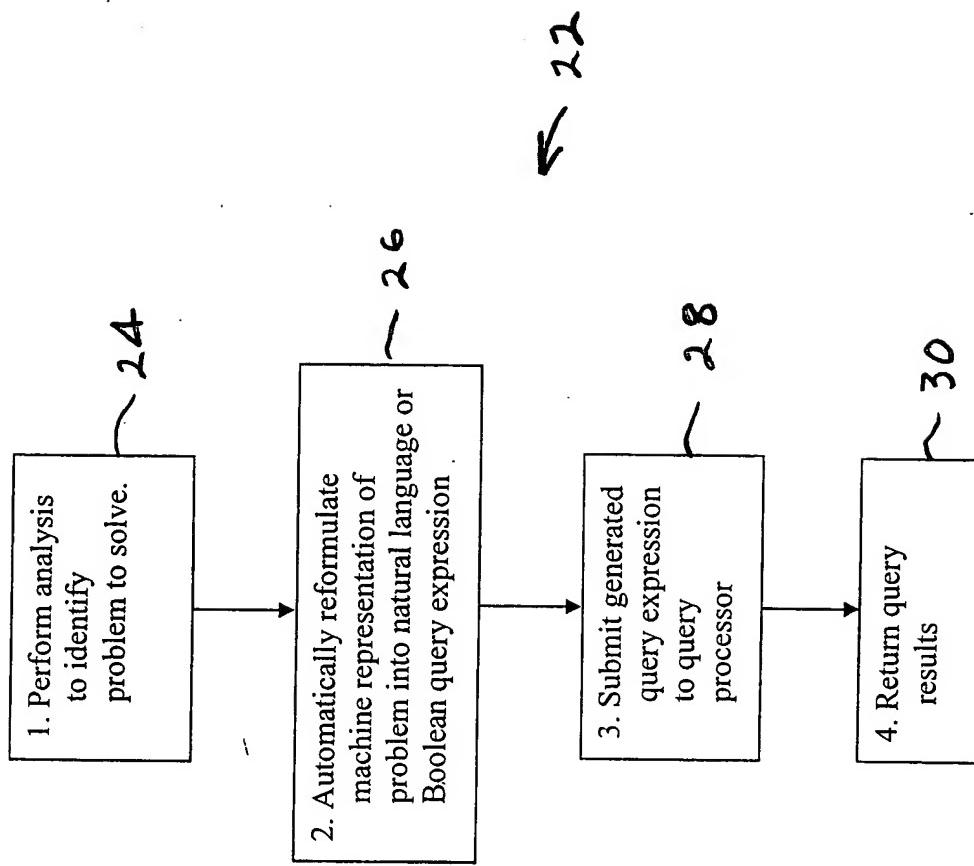


Fig. 6. Flow diagram of a system in accordance with the principles of this invention

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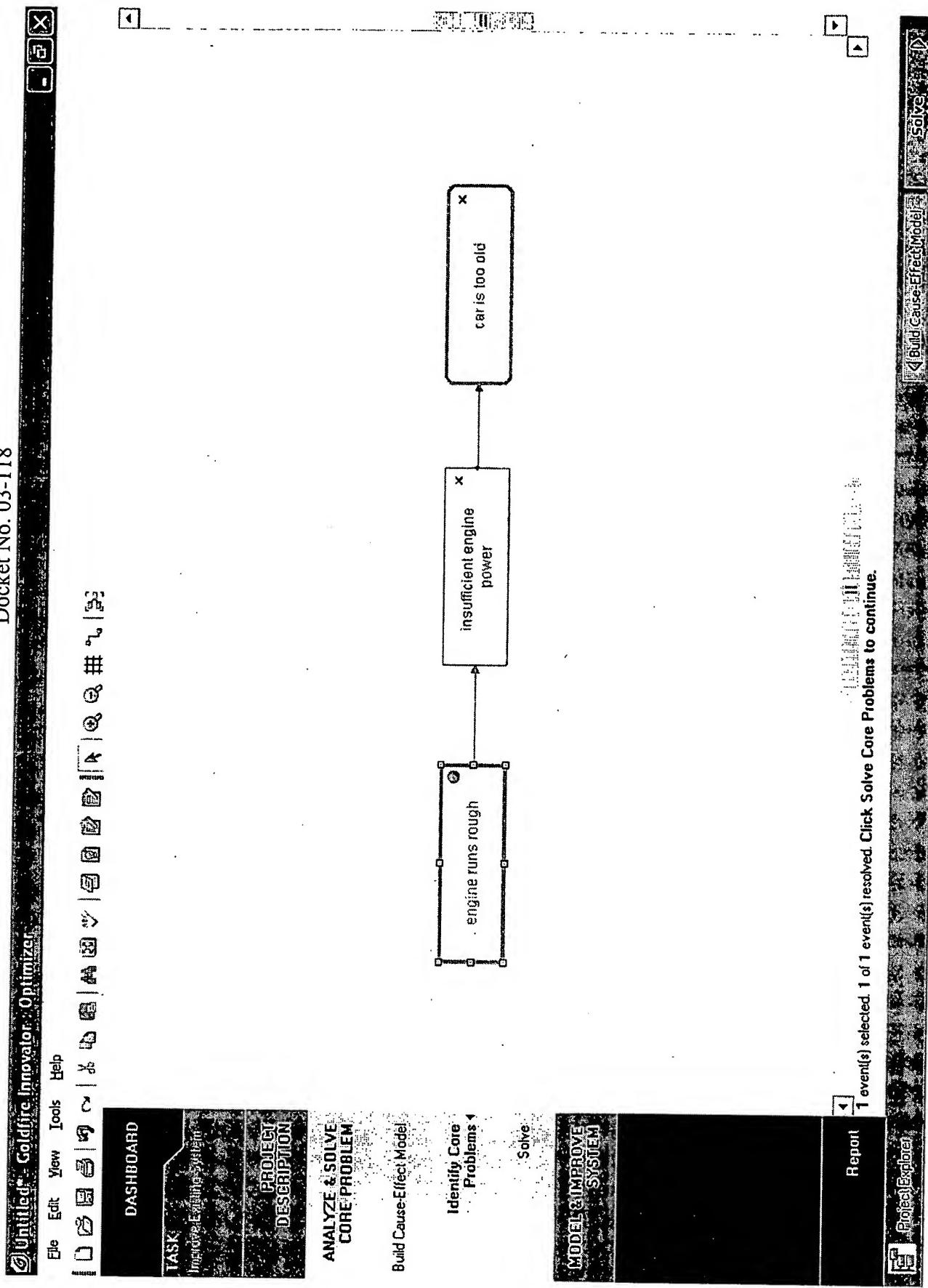


Figure 7 Illustrative screen showing problem analysis tool supporting root cause analysis

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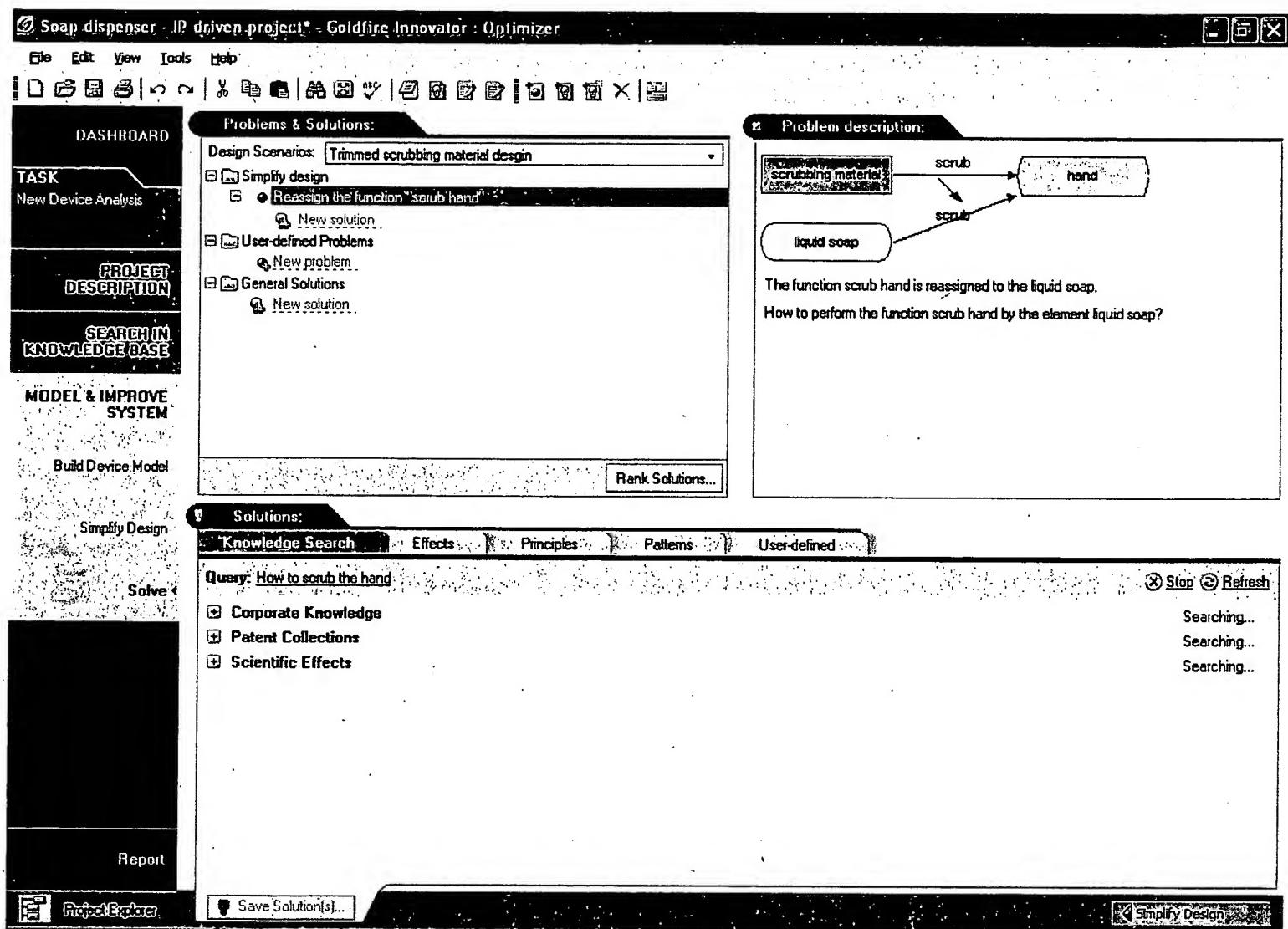


Fig 8

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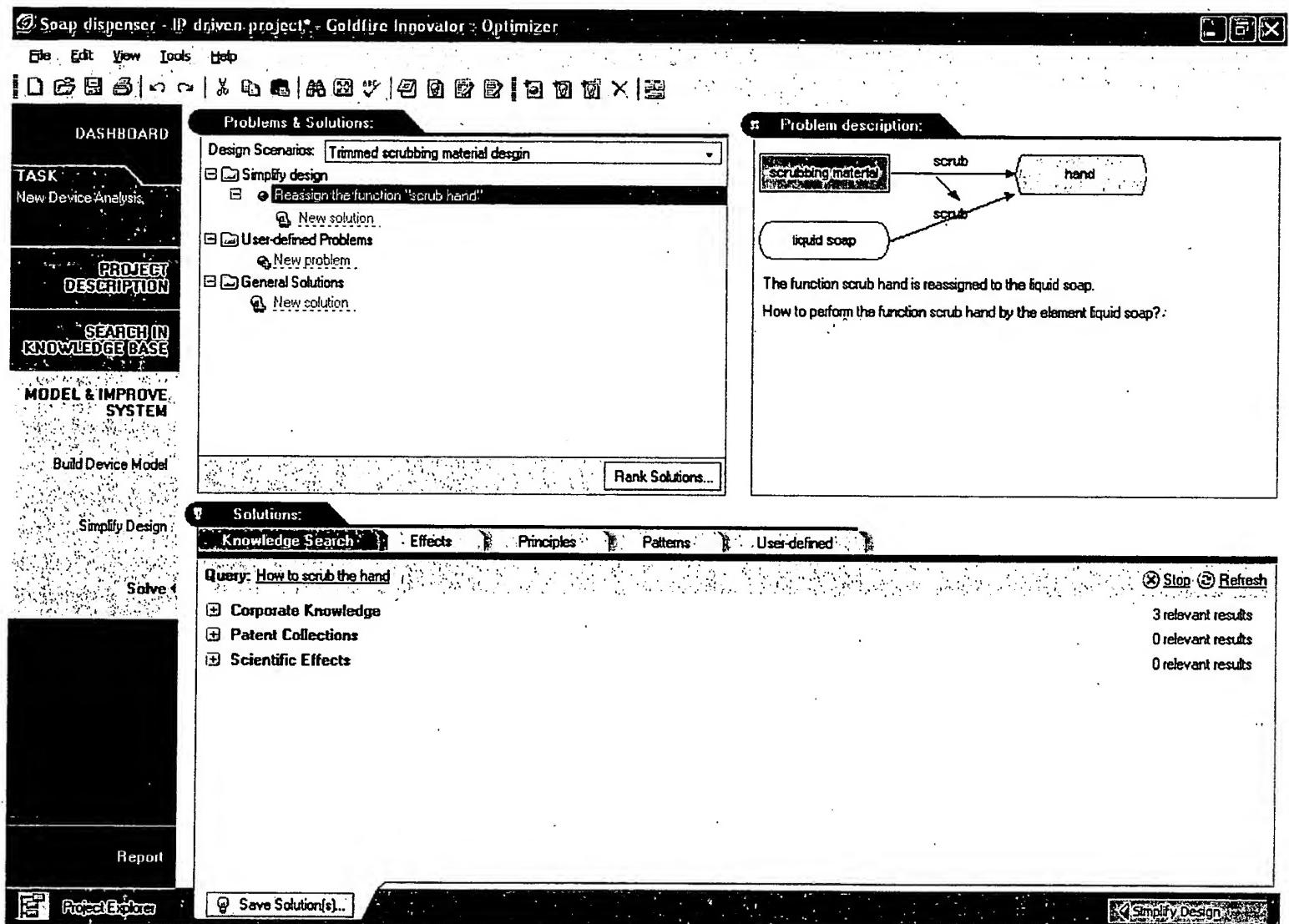


Fig 9

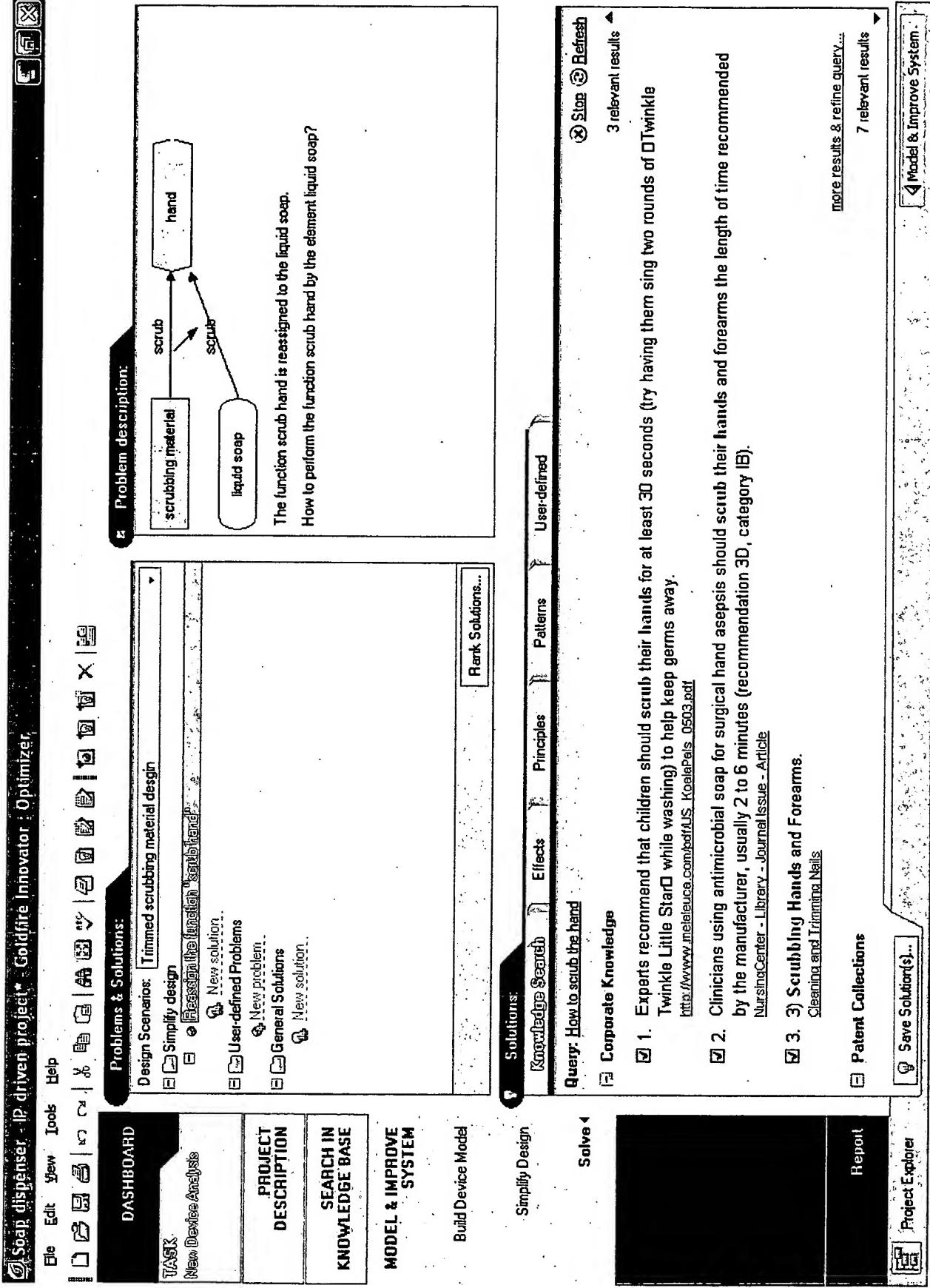


Fig. 4 Illustrative screen for a system in accordance with the principles of this invention

11/20/2003

Fig 10